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UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Electrification Administration
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GENERAL CONSTRUCTION
BULLETIN NUMBER 165

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U. S. DEPARTMENT OF AGRICULTURE

PART I

APPROVED CONSTRUCTION CONTRACTS
AWARDED BY REA BORROWERS

Alabama 18S Cullman: Cullman Electric Cooperative, Cullman, Ala., to Southeastern Electric Construction Company, P. O. Box 86, Andalusia, Ala., \$133,843.48 for the construction of 120.62 miles of line to serve 430 members. Engineer (1) last page. PLEASE NOTE: NAMES AND ADDRESSES OF SYSTEM ENGINEERS are furnished on the last page of this bulletin. All numbers shown in () space are keyed to like numbers listed with the names and addresses.

Alabama 36H DeKalb: Sand Mountain Electric Cooperative, Fort Payne, Ala., to Irby Construction Company, 817 South State St., Jackson, Miss., \$320,322.15 for the construction of 240 miles of line to serve 518 members. Engineer (2).

Alabama 37El Morgan: Joe Wheeler Electric Membership Corp., Hartselle, Ala., to Dent Construction Company, Sheffield, Ala., \$534,512.52 for the construction of 381 miles of line to serve 1584 members. Engineer (3).

Alabama 46B Franklin: Franklin Electric Cooperative, Russellville, Ala., to Trans-Electric Company, 106 E. Broadway, Louisville 2, Ky., \$194,720.83 for the construction of 153.7 miles of line to serve 673 members. Engineer (2).

Alaska 8A Chugach: Chugach Electric Association, Inc., Anchorage, Alaska, to Wiggins Construction Company, Box 2346, Anchorage, Alaska, \$70,780.41 for the construction of 57.81 miles of line to serve 441 members. Engineer (4).

Arizona 17D Graham: Graham County Electric Cooperative, Inc., Pima, Ariz., to Corbin and Davis Electric Company, 623 S. 2nd St., Phoenix, Ariz., \$31,302.36 for the construction (labor only) of 50.56 miles of line to serve 163 members. Engineer (5).

Arizona 20B Pima: Trico Electric Cooperative, Inc., 3800 N. Oracle Road, Tucson, Ariz., to Simmons Construction Company and Owens Transportation Company, 2234 N. 16th St., Phoenix, Ariz., \$61,547.15 for the construction of 45.5 miles of line to serve 100 members. Engineer (6).

Arkansas 18NR Carroll, Section II: Carroll Electric Cooperative Corp., Berryville, Ark., to Walco Engineering and Construction Company, 2408 E. 4th Place, Tulsa, Okla., \$110,434.52 for the construction (labor only) of 219 miles of distribution line to serve 593 members. Plus the construction of 17.5 miles of transmission line and the conversion of 60 miles of line. Engineer (7).

Georgia 7K Catoosa: N. Georgia Electric Membership Corp., Dalton, Ga., to Leo T. Barber, Moultrie, Ga., \$184,023.30 for the construction of 175 miles of line to serve 590 members. Engineer (1).

Georgia 42M Toombs: Altamaha Electric Membership Corp., Lyons, Ga., to W. L. Coston and Sons, 1803 First National Bank Bldg., Birmingham, Ala., \$539,540.65 for the construction of 586.11 miles of line to serve 1319 members. Engineer (8).

Georgia 45M Sumter: Sumter Electric Membership Corp., 225 Cotton Ave., Americus, Ga., to Chambliss and White Construction Company, Alamo, Ga., \$113,413.06 for the construction (labor only) of 289.27 miles of line to serve 697 members. Engineer (8).

Georgia 51N Newton: Snapping Shoals Electric Membership Corp., 109 Floyd St., Covington, Ga., to Roy Richards Construction Company, Carrollton, Ga., \$83,083.39 for the construction of 74.02 miles of line to serve 191 members. Engineer (9).

Georgia 75K Lamar: Lamar Electric Membership Corp., Barnesville, Ga., to Roy Richards Construction Company, Carrollton, Ga., \$149,337.54 for the construction of 135.33 miles of line to serve 406 members. Engineer (9).

Kansas 29B Republic, Section II: The N. C. K. Electric Cooperative, Inc., Belleville, Kansas, to Goins and Hon Construction Company, P. O. Box 189, Horton, Kansas, \$57,041.70 for the construction (labor only) of 210.7 miles of line to serve 362 members. Engineer (10).

Kentucky 52LM Fleming, Section IV: Fleming-Mason Rural Electric Cooperative Corp., Flemingsburg, Ky., to Shely Construction Company, 809 Manchester St., Lexington, Ky., \$28,994.55 for the construction (labor only) of 61.3 miles of line to serve 109 members. Engineer (11).

Louisiana 26A L.R.E.C.: Louisiana Rural Electric Corp., Alexandria, La., to Kincaide and Lofton, Brookhaven, Miss., \$328,860.13 for the construction of 247 miles of line to serve 926 members. Engineer (12).

Michigan 42BlH Mason: Western Michigan Electric Cooperative, Scottville, Mich., to Muncie Construction Corp., Muncie, Ind., \$23,828.75 for the construction (labor only) of 64 miles of line to serve 261 members. Engineer (13).

Minnesota 101B Clearwater, Section I: Clearwater-Polk Electric Cooperative, Bagley, Minn., to Lite-Rite Electric Service, Melrose, Minn., \$67,176.30 for the construction (labor only) of 243 miles of line to serve 393 members. Engineer (14).

Mississippi 31L Washington: Twin County Electric Power Association, Hollandale, Miss., to Irby Construction Company, 817 South State St., Jackson, Miss., \$205,026.60 for the construction of 144 miles of line to serve 365 members plus the conversion and reconductoring on a total of 76 miles. Engineer (15).

Missouri 27K&L Andrew: Northwest Missouri Electric Cooperative, Savannah, Missouri, to Basanda Construction Company, Co., 1357. Southwest 11th St., Oklahoma City 8, Okla., \$488,851.25 for the construction of 316.18 miles of line to serve 801 members. Engineer (7).

Missouri 43M1 & M2 Laclede: Laclede Electric Cooperative, Lebanon, Mo., M1: to Walco Engineering and Construction Company, 2408 E. 4th Place, Tulsa 4, Okla., \$73,796.35 for the construction of 14.7 miles of transmission line. M2: to Thaxton Engineering and Construction Co., 4801 Conn. Ave., N. W., Wash., D. C., (temporary field headquarters Lamar, Missouri) \$310,511.93 for the construction of 217.5 miles of line to serve 539 members. Engineer for both (7).

Missouri 50M&P Lafayette: West-Central Electric Cooperative, Inc., Higginsville, Mo., to James H. Drew Corp., Architects Bldg., Indianapolis, Ind., \$152,656.81 for the construction (labor only) of 364.73 miles of line to serve 734 members. Engineer (7).

Missouri 51K&M Nodaway: Nodaway-Worth Electric Cooperative, Inc., Maryville, Mo., to A. A. Electric Company, 3125 South 60th Court, Cicero, Ill., \$674,347.10 for the construction of 461.51 miles of line to serve 837 members plus the conversion of 99 miles of line. Engineer (7).

Missouri 54C Crawford: Crawford Electric Cooperative, Inc., Bourbon, Mo., to Hufford and Kyger, 1810 E. 47th St. Terrace, Kansas City, Mo. \$94,451.44 for the construction (labor only) of 240.66 miles of line to serve 737 members. Engineer (16).

Missouri 56G&H Sullivan, Section I: North Central Missouri Electric Cooperative, Milan, Missouri, to D-K-L Construction Company, 214 Weston St., Jackson, Miss., \$55,492.70 for the construction (labor only) of 166.10 miles of line to serve 326 members. Engineer (7).

Missouri 58C Ste. Genevieve, Section III: Citizens Electric Corp., Ste. Genevieve, Mo., to Clifton Engineering Company, Inc., Three Rivers, Mich., \$46,311.65 for the construction (labor only) of 30 miles of transmission line. Engineer (17).

Montana 24D Blaine: Big Flat Electric Cooperative, Inc., Turner, Mont., to O'Neil Construction Company, Havre, Mont., \$41,166.56 for the construction (labor only) of 107 miles of line to serve 94 members. Engineer (18).

Nebraska 79G Red Willow: McCook Public Power District, McCook, Nebr., to McGraw Construction Company, Inc., Middletown, Ohio, \$79,883.43 for the construction (labor only) of 340.5 miles of line to serve 427 members. Engineer (19).

New Mexico 22A McKinley: Continental Divide Electric Cooperative, Inc., Gallup, New Mexico, to J. & J. Construction Company, 1813 First National Bldg., Oklahoma City, Okla., \$82,177.20 for the construction (labor only) of 176 miles of line to serve 248 members. Engineer (20).

North Dakota 22E1 & E3 Bottineau: North Central Electric Cooperative, Inc., Bottineau, North Dakota, to E. A. Reither, 2125 Aldrich Ave., S., Minneapolis 5, Minn., E1: \$454,336.15 for the construction of 387.75 miles of line to serve 447 members. E3: \$263,624.21 for the construction of 250.85 miles of line to serve 264 members. Engineer for both (21).

Oklahoma 10S Cleveland: Oklahoma Electric Cooperative, Inc., 316 E. Main St., Norman, Okla., to R. S. Bowie Construction Company, P. O. Box 64, Walters, Okla., \$54,343.94 for the construction (labor only) of 113 miles of line to serve 161 members.

Oklahoma 23K Okmulgee: East Central Oklahoma Electric Cooperative, Okmulgee, Okla., to Jillie and Cannon, 802 W. 7th St., Okmulgee, Okla., \$81,899.19 for the construction (labor only) of 170.95 miles of line to serve 289 members. Engineer (22).

Oklahoma 27M&N Bryan: Southeastern Electric Cooperative, Durant, Okla., to Central States Construction Corp., Higginsville, Mo., \$379,493.97 for the construction of 248.9 miles of line to serve 622 members. Engineer (22).

Oklahoma 33D Latimer: Kiamichi Electric Cooperative, Inc., Wilburton, Okla., to C. & W Construction Company, 801 W. 18th St., Ada, Okla., \$205,747.60 for the construction of 176.67 miles of line to serve 312 members. Engineer (23).

Oregon 26K Wasco, Section I: Wasco Electric Cooperative, Inc., The Dalles, Ore., to Washington Electric Company, 5235 Tacoma Way, Tacoma, Wash., \$73,932.70 for the construction (labor only) of 107.5 miles of line to serve 86 members. Engineer (24).

Oregon 29B Morrow: Columbia Basin Electric Cooperative, Inc., Heppner, Ore., to Moffatt and Britten Electric Company, Troutdale, Ore., \$36,791.46 for the construction (labor only) for 40 miles of 60 kv transmission line. Engineer (24).

South Carolina 26L Darlington: Pee Dee Electric Cooperative, Inc., Darlington, South Carolina, to Mechanical Contractors and Engineers, Inc., P. O. Box 2129, Atlanta, Ga., \$195,305.11 for the construction of 171.45 miles of line to serve 540 members. Engineer (8).

South Carolina 31L Horry: Horry Electric Cooperative, Inc., Conway, South Carolina, to Little Electric Company, Box 669, Hartsville, South Carolina, \$120,615.14 for the construction of 72.38 miles of line to serve 153 members plus the conversion of 62 miles of line. Engineer (8).

South Dakota 18E Clark: Codington-Clark Electric Cooperative, Inc., Watertown, South Dakota, to Delta Construction Company, Clarksdale, Miss., \$559,405.99 for the construction of 496.7 miles of line to serve 557 members. Engineer (25).

Tennessee 26F3&K Loudoun: Fort Loudoun Electric Cooperative, Madisonville, Tenn., to Southern Line Construction Company, 60 Auction Ave., Memphis, Tenn., \$359,968.80 for the construction of 233.65 miles of line to serve 814 members. Engineer (3).

Texas 50L Grayson: Grayson-Collin Electric Cooperative, Inc., Van Alstyne, Tex., to Joe Chapin, 406 N. 18th St., Waco, Tex., \$48,378.45 for the construction (labor only) of 104 miles of line to serve 190 members. Engineer (26).

Texas 52 L&M Fannin: Fannin County Electric Cooperative, Inc., P. O. Box 33, Bonham, Tex., to W. J. Thomas and Company, Inc., Box 7006, Dallas 9, Tex., \$74,287.45 for the construction (labor only) of 186.8 miles of line to serve 630 members. Engineer (12).

Texas 58H Fayette: Fayette Electric Cooperative, Inc., La Grange, Tex., to Sisco Electric Company, P. O. Box 88, Conroe, Tex., \$277,621.43 for the construction of 242.4 miles of line to serve 613 members. Engineer (27).

Texas 85K Wise: Wise Electric Cooperative, Inc., Decatur, Tex., to Reeves Brothers Electrical Contractors, Decatur, Tex., \$31,777.50 for the construction (labor only) of 104.8 miles of line to serve 133 members. Engineer (28).

Texas 87P&R Karnes: Karnes Electric Cooperative, Inc., P. O. Box 247, Karnes, Tex., to Mid-State Construction Company, Columbia, Tenn., \$33,279.97 for the construction of 159.5 miles of line to serve 220 members. Engineer (29). (labor only)

Virginia 30 S. Bath: B-A-R-C Electric Cooperative, Millboro, Va., to Cofer Construction Company, 38 Wells Ave., N. E., Roanoke, Va., \$114,312.44 for the construction of 18.30 miles of transmission line. Engineer (30).

Washington 39C Nespelen: Nespelen Valley Cooperative, Inc., Nespelen, Wash., to Reither Construction Company, Aitkin, Minn., \$94,334.60 for the construction (labor only) of 156.16 miles of line to serve 125 members. Not all of this construction will be undertaken at this time. Engineer (31).

Washington 42A&C Clallam: Public Utility District No. 1 of Clallam County, Port Angeles, Wash., to Washington Electric Company, 5235 S. Tacoma Way, Tacoma, Wash., \$13,874.30 For the construction of 33.6 miles of line to serve 180 members. This contract includes stringing conductor, guys, transformers and services only.

PART II - APPROVED PRELIMINARY PLANS AND SPECIFICATIONS

Minnesota 75K Red Lake: Red Lake Electric Cooperative, Inc., Red Lake, Falls, Minn., 84.85 miles, 126 members. Engineer (14).

Minnesota 85L Todd: Todd-Wadena Power and Light Cooperative Association, Wadena, Minn., 178 miles, 415 members. Engineer (32).

Mississippi 23T Copiah: Southwest Mississippi Electric Power Association, Lorman, Miss., final plans, 313.5 miles, 660 members. Engineer (15).

Missouri 37M Bates: Osage Valley Electric Cooperative Association, Butler, Mo., 340 miles, 690 members. Engineer (7).

Missouri 41PT Platte: Platte-Clay Electric Cooperative, Inc., Platte City, Mo., 135.24 miles, 289 members. Engineer (7).

Montana 10M Madison: Vigilante Electric Cooperative, Inc., 216 East Bannack St., Dillon, Mont., 87.25 miles, 64 members. Engineer (33).

Oklahoma 30N Choctaw: Choctaw Electric Cooperative, Inc., Hugo, Okla., 194.1 miles, 560 members. Engineer (23).

South Dakota 31C2 & C3 Walworth: Cam-Wal Electric Cooperative, Inc., Selby, South Dakota, C2: 401.4 miles, 379 members. C3: 402.9 miles, 387 members. Engineer for both (34).

NAMES AND ADDRESSES OF SYSTEM ENGINEERS (Exhibit Item 1, page 1.)

1. Lanier Engineering Company, P. O. Box 453, Troy, Ala.
2. Ladd Engineering Company, 209 Wood Bldg., Fort Payne, Ala.
3. A. D. McWhorter, Jr., 212½ Union St., Nashville 3, Tenn.
4. Victor C. Rivers, Anchorage, Alaska
5. Price and Hawk, 1509 13th St., Lubbock, Tex.
6. J. V. Swain, 3800 N. Oracle Road, Tucson, Ariz.
7. Frank Horton and Company, Lamar, Mo.
8. Southern Engineering Company, 699 Spring St., N.W. Atlanta 3, Ga.
9. J. B. McCrary Engineering Corp., 1408 Marietta St. Bldg., Atlanta, Ga.
10. Raymond H. Reed and Company, 2305½ 13th St. Columbus, Nebr.
11. Patterson and Dewar, 208 Rutland Bldg., Decatur, Ga.
12. Proese and Nichols, 407 Danciger Bldg., Fort Worth, Tex.
13. J & G Daverman Company, 301 Keeler Bldg., Grand Rapids 2, Mich.
14. C. J. Hastad, Halstad, Minn.
15. Bowman and Bowman, 516 East Jefferson St., Greenwood, Miss.
16. Birenbaum and Smith, 5968 Cote Brillante Ave., St. Louis, Mo.
17. Drazen and Associates, 8135 Forsythe Blvd., St. Louis 24, Mo.
18. T. T. Heberly, Box 1044, Malta, Mont.
19. Philip L. Burns, 630 Davenport Bank Bldg., Davenport, Ia.
20. Southwest Engineers, Inc., 510 Transit Tower, San Antonio, Tex.
21. Ulteig Engineering Corp., 1114½ Front St., Fargo, N. Dak.
22. E. R. Taylor and Associates, 4107A E. 11th St. Tulsa 4, Okla.
23. George C. Hengy and Company, 1007½ Texas Ave., Shreveport 23, La.
24. Robert Welty, Box 282, The Dalles, Ore.
25. Scott Engineering Company, Inc., Watertown, S. Dak.
26. H. B. Gieb and Associates, 1207 Texas Bank Bldg., Dallas, Tex.
27. J. H. Flood and Company, 707 Amicable Bldg., Waco, Tex.
28. Joe E. Ward, 545 Nacol Bldg., Wichita Falls, Tex.
29. American Engineering Company, 408 E. Myrtle St. San Antonio, Tex.
30. McWhorter, Robinson & Moody, Staunton, Va.
31. H. A. Sewell, Newport, Wash.
32. A. J. Christopherson, 941 W. Cavour Ave., Fergus Falls, Minn.
33. Verne E. Ashley, Moose Bldg., Box 689, Missoula, Mont.
34. Banister Engineering Company, 1549 University Ave., St. Paul 4, Minn.